

S 12 M - S T F P R - 11

1

Type of Bar

2

Bar Diameter

3

Bar Length

4

Method of Mounting Insert

5

Insert Shape

6

Lead Angle of Boring Bar

7

Relief Angle of Insert

8

Hand of Bar

9

Length of Cutting Edge

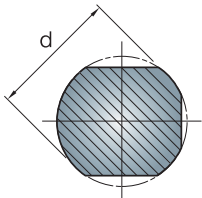
1 Type of Bar

S 12 M - S T F P R - 11

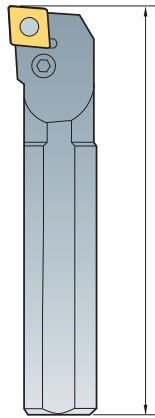
- "A" Steel with coolant hole
- "E" Carbide bar with fixed steel head and coolant hole
- "C" Carbide shank
- "S" Steel shank
- "X" Special type

2 Bar Diameter

S 12 M - S T F P R - 11

**3** Bar Length

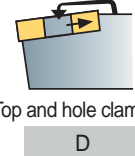
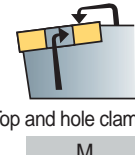
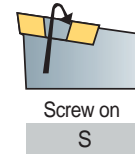
S 12 M S T F P R - 11



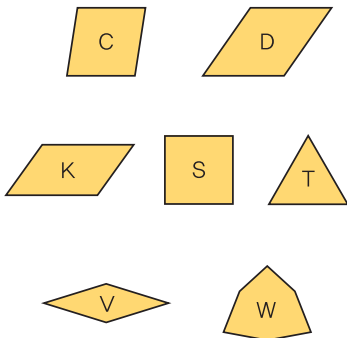
Symbol(L)	length(mm)
H	100
J	110
K	125
M	150
N	160
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
Y	500

4 Method of Mounting Insert

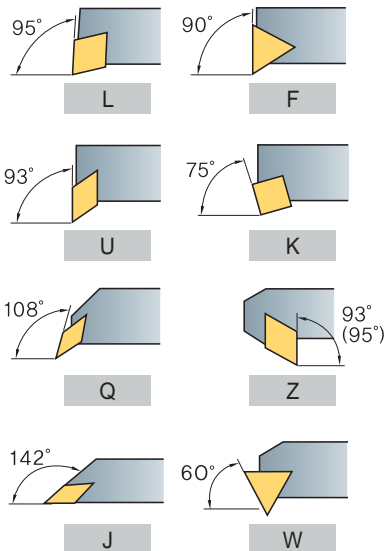
S 12 M S T F P R - 11

Top clamping
CTop and hole clamping
DTop and hole clamping
MHole clamping
PScrew on
S**5** Insert Shape

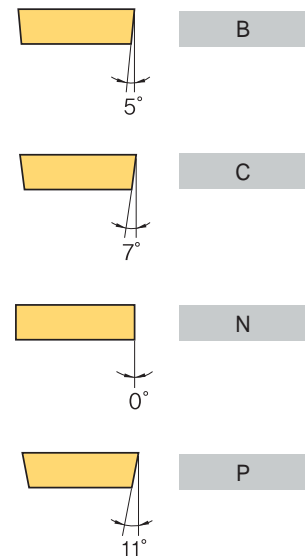
S 12 M - S T F P R - 11

**6** Lead Angle of Boring Bar

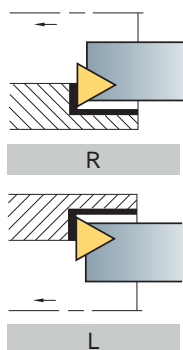
S 12 M - S T F P R - 11

**7** Relief Angle of Insert

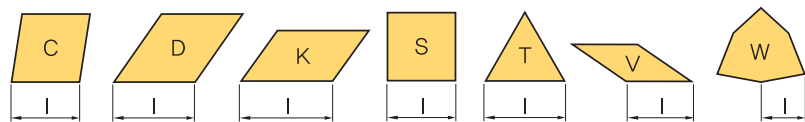
S 12 M - S T F P R - 11

**8** Hand of Bar

S 12 M - S T F P R - 11

**9** Length of Cutting Edge

S 12 M - S T F P R - 11



B Index for Boring Bar

Double Clamp System

Cutting Shape								
Designation	DCLNR/L	DDUNR/L	DSKNR/L	DTFNR/L	DWLNR/L			
Approach angle	95°	93°	75°	90°	95°			
Page	B195	B195	B195	B196	B196			
Copying		●						
Facing	●				●			
Back turning		●						
Turning	●	●	●	●	●			

Lever Lock System

Cutting Shape								
Designation	PCLNR/L	PDSNR/L	PDUNR/L	PSKNR/L	PTFNR/L	PWLNR/L		
Approach angle	95°	62.5°	93°	75°	90°	95°		
Page	B197	B197	B198	B199	B199	B200		
Copying		●	●					
Facing	●					●		
Back turning		●	●			●		
Turning	●	●	●	●	●	●		

Clamp on System

Cutting Shape								
Designation	CKUNR/L	CSKPR/L	CTFPR/L					
Approach angle	93°	75°	90°					
Page	B201	B201	B201					
Copying								
Facing								
Back turning	●							
Turning	●	●	●					

Multi Lock System

Cutting Shape								
Designation	MCLNR/L	MDUNR/L	MSKNR/L	MTFNR/L	MVUNR/L	MWLNR/L		
Approach angle	95°	93°	75°	90°	93°	95°		
Page	B202	B202	B202	B203	B203	B203		
Copying		●			●			
Facing	●					●		
Back turning		●			●			
Turning	●	●	●	●	●	●		



Screw on System

Cutting Shape								
Designation	SCLCR/L	SCLPR/L	SDQCR/L	SDUCR/L	SDZCR/L	SSKCR/L	SSKPR/L	STFCLR/L
Approach angle	95°	95°	107.5°	93°	93°	75°	75°	90°
Page	B204	B205	B206	B207	B208	B208	B208	B209
Copying			●	●				
Facing	●	●						
Back turning			●	●	●			
Turning	●	●	●	●	●	●	●	●

Cutting Shape								
Designation	STFPR/L	STWPR/L	SVJCR/L	SVQBR/L	SVQCR/L	SVUBR/L	SVUCR/L	SWLCR/L
Approach angle	90°	60°	142°	108°	108°	93°	93°	95°
Page	B210	B211	B211	B211	B212	B212	B212	B213
Copying			●	●	●	●	●	●
Facing								
Back turning				●	●	●	●	●
Turning	●	●	●	●	●	●	●	●

Compact Mini

Cutting Shape								
Designation	SCLCR/L	STUBR/L	STUPR/L	SWUBR/L				
Approach angle	95°	93°	93°	93°				
Page	B214	B214	B215	B216				
Copying								
Facing	●	●						
Back turning			●					
Turning	●	●	●	●				

Carbide Shank Boring Bar

Designation	SCLCR/L	SCLPR/L	SDQCR/L	SDUCR/L	STFCLR/L
Approach angle	95°	95°	107.5°	93°	90°
Page	B204	B205	B206	B207	B209

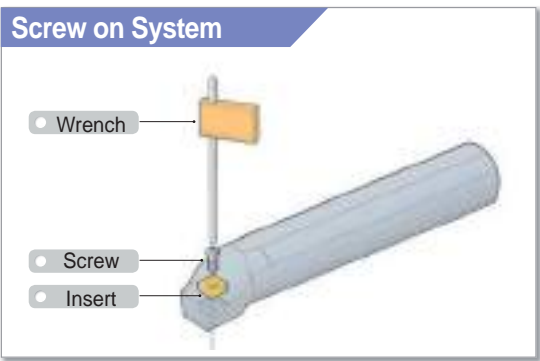
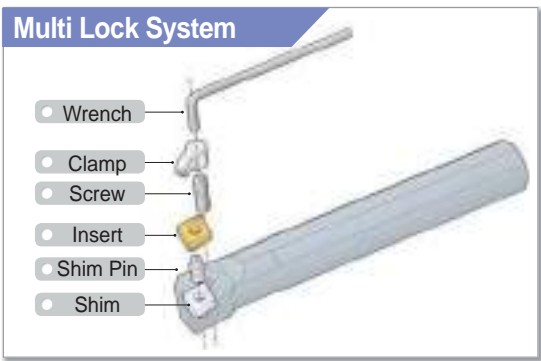
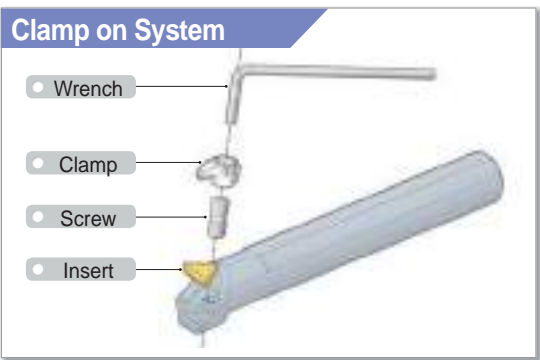
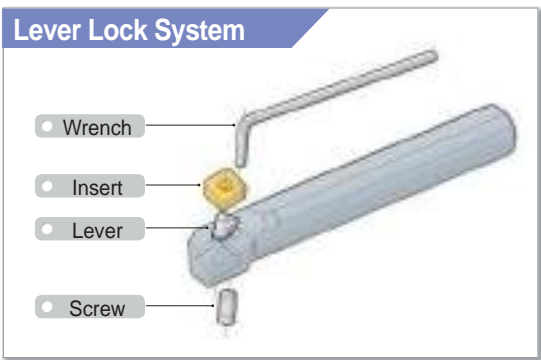
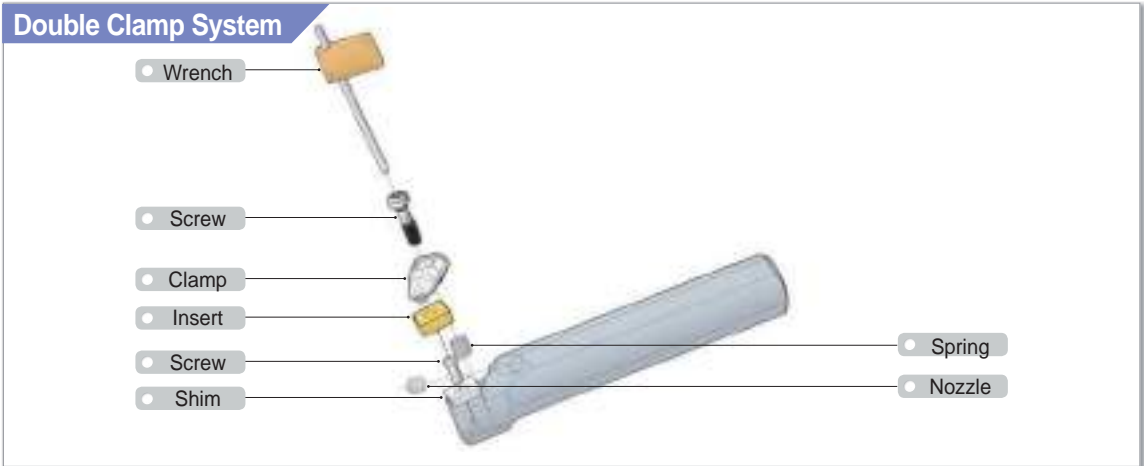
Designation	STFPR/L	STUBR/L	STUPR/L	SWUBR/L	-
Approach angle	90°	93°	93°	93°	-
Page	B210	B214	B215	B216	-

Sleeve

Shape	
Designation	SL
Page	B136

B Instructions of Boring Bar assembly

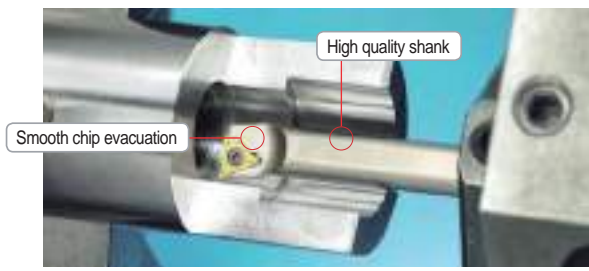
Instructions of Boring Bar assembly



Carbide Shank Boring Bar

- Excellent cutting performance even in internal machining with chattering
- Available for various workpieces such as steel, stainless steel, cast iron, etc.
- Improved tool life and surface roughness

Features



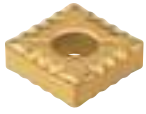
Higher strength and durability than steel shank, special surface treatment applied

Comparison of chipping

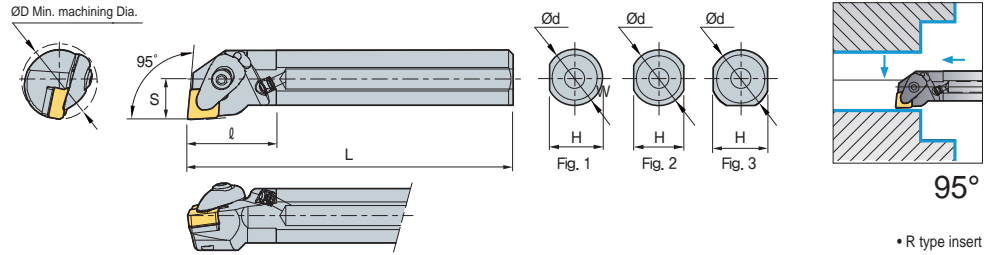
Specifications	Steel boring bar			Carbide boring bar		
	Increased chipping on insert			Stable tool life		
<ul style="list-style-type: none"> • SCM440 • v_c : 200 m/min • a_p : 0.4 mm • f_n : 0.15 mm/rev • Cutting depth: 5D 						
	Rmax	Rz	Ra	Rmax	Rz	Ra
	4.67	3.68	0.62	3.07	2.76	0.53



DCLNR/L



CN□□

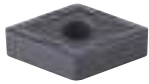


• R type insert (mm)

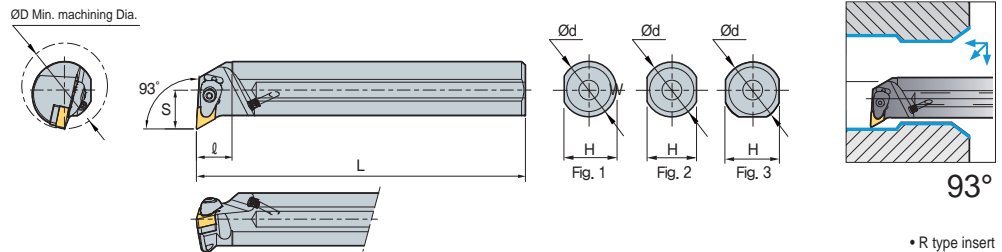
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Nozzle	Wrench	Fig.
A25R-DCLNR/L-09	32	25	24	200	17	40	CN□□0903□□	CVH3	CHX0415	SC32V	FTKA0307	SPR0510	CN0605	HW25P	1
A25R-DCLNR/L-12	32	25	24	200	17	40	CN□□1204□□	CVH4	CHX0518	SC42V	FTKA0410	SPR0714	CN0605	HW30P	1
A32S-DCLNR/L-12	40	32	30	250	22	50									3
A40T-DCLNR/L-12	50	40	38	300	27	60									
A50U-DCLNR/L-16	63	50	48	350	35	70	CN□□1606□□	CVH5	CHX0622	SC54V	FTNA0511	SPR0811	CN0605	HW40L	3

↻ Applicable inserts B28~B35

DDUNR/L



DN□□



• R type insert (mm)

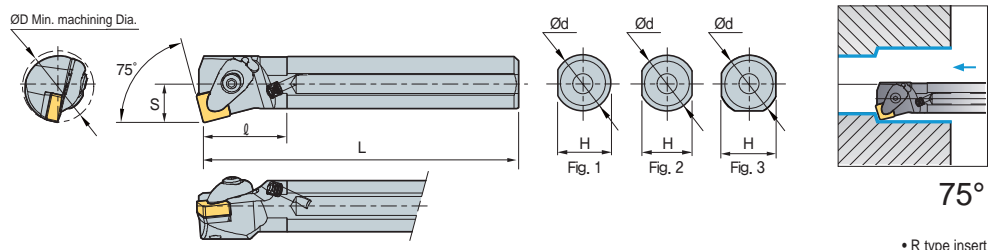
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Nozzle	Wrench	Fig.
A40T-DDUNR/L-15	50	40	38	300	27	60	DN□□1506□□	CVH4	CHX0518	SD43V	FTKA0410	SPR0714	CN0605	HW30P	3
A50U-DDUNR/L-15	63	50	47	350	35	70									
A40T-DDUNR/L-15 -3	50	40	38	300	27	60	DN□□1504□□	CVH4	CHX0518	SD44V	FTKA0410	SPR0714	CN0605	HW30P	3
A50U-DDUNR/L-15 -3	63	50	47	350	35	70									

↻ Applicable inserts B36~B42

DSKNR/L



SN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Nozzle	Wrench	Fig.
A25R-DSKNR/L-09	32	25	24	200	17	40	SN□□0903□□	CVH3	CHX0415	SS32V	FTKA0307	SPR0510	CN0605	HW25P	1
A25R-DSKNR/L-12	32	25	24	200	17	40	SN□□1204□□	CVH4	CHX0518	SS42V	FTKA0410	SPR0714	CN0605	HW30P	1
A32S-DSKNR/L-12	40	32	30	250	22	50									3
A40T-DSKNR/L-12	50	40	38	300	27	60									

↻ Applicable inserts B44~B52

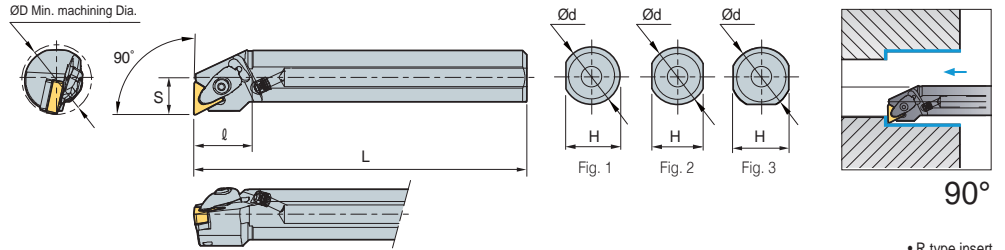


B Double Clamp System

DTFNR/L



TN□□



• R type insert (mm)

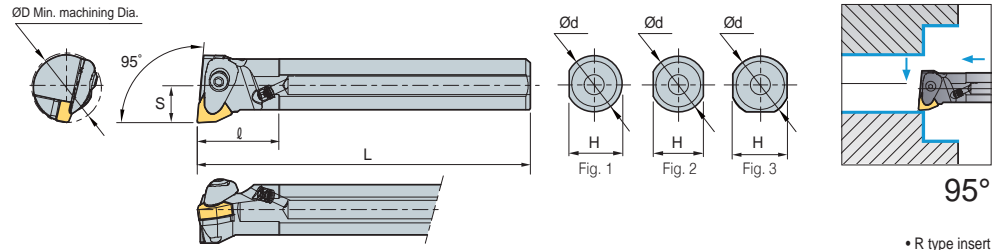
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Nozzle	Wrench	Fig.
A25R-DTFNR/L-16	32	25	24	200	17	40	TN□□1604□□	CVH3	CHX0415	ST32V	FTKA0307	SPR0510	CN0605	HW25P	1
A32S-DTFNR/L-16	40	32	30	250	22	50		3							
A40T-DTFNR/L-22	50	40	38	300	27	60		3							
A50U-DTFNR/L-22	63	50	47	350	35	70	TN□□2204□□	CVH4	CHX0518	ST44V	FTKA0410	SPR0714	CN0605	HW30P	3

↻ Applicable inserts B53-B59

DWLNR/L



WN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Screw	Spring	Nozzle	Wrench	Fig.
A25R-DWLNR/L-06	32	25	24	200	17	40	WN□□0604□□	CVH3	CHX0415	SW32V	FTKA0307	SPR0510	CN0605	HW25P	1
A32S-DWLNR/L-06	40	32	30	250	22	50		3							
A40T-DWLNR/L-06	50	40	38	300	27	60		3							
A25R-DWLNR/L-08	32	25	24	200	17	40	WN□□0804□□	CVH4	CHX0518	SW42V	FTKA0410	SPR0714	CN0605	HW30P	1
A32S-DWLNR/L-08	40	32	30	250	22	50									3
A40T-DWLNR/L-08	50	40	38	300	27	60									3
A50U-DWLNR/L-08	63	50	47	350	35	70									3

↻ Applicable inserts B62-B65



Features of Double Clamp (Boring bar)

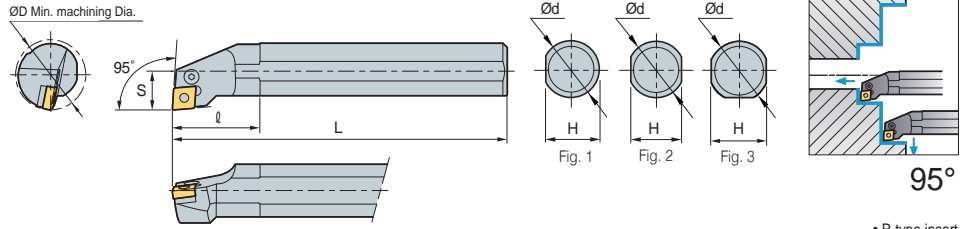
Longer tool life and excellent surface finish can be achieved with the adjustable Coolant Nozzle



PCLNR/L



CN□□



• R type insert (mm)

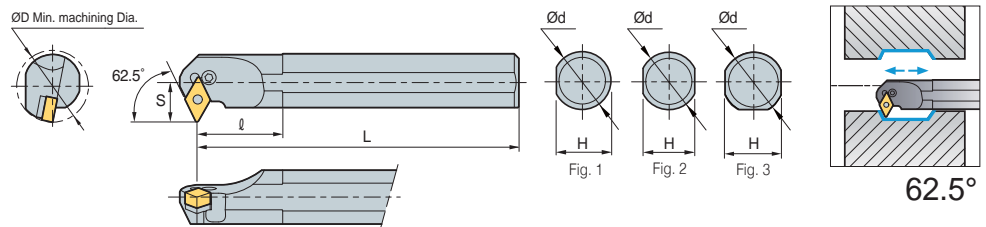
Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S16R-PCLNR/L-09	20	16	14	200	11	25	CN□□0903□□	LV3C	VHX0509B	-	-	-	HW20L	2
S20S-PCLNR/L-09	25	20	18	250	13	32		3						
S25R-PCLNR/L-09	32	25	23	200	17	40	CN□□1204□□	LV4A	VHX0613A	-	-	-	HW25L	3
S25T-PCLNR/L-12	32	25	23	300	17	40		LV4	VHX0821	SC42B	SP4	LSPS4	HW30L	
S32S-PCLNR/L-12	40	32	30	250	22	50		LV4	VHX0821	SC42B	SP4	-	HW30L	
S32U-PCLNR/L-12	40	32	30	350	22	50		LV4	VHX0821	SC42B	SP4	LSPS4	HW30L	
S40T-PCLNR/L-12	50	40	38	300	27	60		LV6	VHX1027	SC63	SP6	LSPS6	HW40L	3
S50U-PCLNR/L-12	63	50	47	350	35	70	CN□□1906□□	LV4A	VHX0613A	-	-	-	HW25L	1
S50U-PCLNR/L-19	63	50	47	350	35	70	CN□□1204□□	LV4	VHX0821	SC42B	SP4	LSPS4	HW30L	3
A25R-PCLNR/L-12	32	25	24	200	17	40	CN□□1204□□	LV4	VHX0821	SC42B	SP4	LSPS4	HW30L	3
A32S-PCLNR/L-12	40	32	30	250	22	50		3						
A40T-PCLNR/L-12	50	40	38	300	27	60	CN□□0903□□	LV3CN	VHX0509BN	-	-	-	HW20L	2
S16R-PCLNR/L-09N	20	16	14	200	11	25	CN□□0903□□	LV4AN	VHX0613N	-	-	-	HW25L	3
S20S-PCLNR/L-09N	25	20	18	250	13	32		3						
S25R-PCLNR/L-09N	32	25	23	200	17	40	LV4N	VHX0820N	SC42N	SP4N	LSPS4	HW30L		
S25R-PCLNR/L-12N	32	25	23	200	17	40	CN□□1204□□	LV6N	VHX1027N	SC63N	SP6N	LSPS6	HW40L	3
S25T-PCLNR/L-12N	32	25	23	300	17	40		LV6N	VHX1027N	SC63N	SP6N	LSPS6	HW40L	3
S32S-PCLNR/L-12N	40	32	30	250	22	50		LV3CN	VHX0509BN	-	-	-	HW20L	1
S32U-PCLNR/L-12N	40	32	30	350	22	50		LV4AN	VHX0613N	-	-	-	HW25L	1
S40T-PCLNR/L-12N	50	40	38	300	27	60		LV4N	VHX0820N	SC42N	SP4N	LSPS4	HW30L	3
S50U-PCLNR/L-12N	63	50	47	350	35	70	LV4N	VHX0820N	SC42N	SP4N	LSPS4	HW30L	3	
S50U-PCLNR/L-19N	63	50	47	350	35	70	CN□□1906□□	LV6N	VHX1027N	SC63N	SP6N	LSPS6	HW40L	3
A16R-PCLNR/L-09N	20	16	14	200	11	25	CN□□0903□□	LV4AN	VHX0613N	-	-	-	HW25L	3
A20S-PCLNR/L-09N	25	20	18	250	13	32		3						
A25R-PCLNR/L-09N	32	25	23	200	17	40	LV4AN	VHX0613N	-	-	-	HW25L	1	
A25R-PCLNR/L-12N	32	25	23	200	17	40	CN□□1204□□	LV4N	VHX0820N	SC42N	SP4N	LSPS4	HW30L	3
A32R-PCLNR/L-12N	40	32	30	250	22	50		3						
A40T-PCLNR/L-12N	50	40	38	300	27	60	LV4N	VHX0820N	SC42N	SP4N	LSPS4	HW30L	3	
A50U-PCLNR/L-12N	63	50	47	350	35	70	CN□□1906□□	LV6N	VHX1027N	SC63N	SP6N	LSPS6	HW40L	3
A50U-PCLNR/L-19N	63	50	47	350	35	70	CN□□1906□□	LV6N	VHX1027N	SC63N	SP6N	LSPS6	HW40L	3

↻ Applicable inserts B28~B35

PDSNR/L



DN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S32S-PDSNR/L-15	40	32	30	250	22	50	DN□□1506□□	LV4B	VHX0821	SD42	SP4	LSPS4	HW30L	3
S40T-PDSNR/L-15	50	40	38	300	27	60		LV4	VHX0821	SD42	SP4	LSPS4	HW30L	
S32S-PDSNR/L-15-3	40	32	30	250	22	50	DN□□1504□□	LV4B	VHX0821	SD42	SP4	LSPS4	HW30L	
S40T-PDSNR/L-15-3	50	40	38	300	27	60	DN□□1506□□	LV4B	VHX0821	SD42	SP4	LSPS4	HW30L	3
A32S-PDSNR/L-15	40	32	30	250	22	50	DN□□1506□□	LV4	VHX0821	SD42	SP4	LSPS4	HW30L	3
A32S-PDSNR/L-15-3	40	32	30	250	22	50	DN□□1504□□	LV4	VHX0821	SD42	SP4	LSPS4	HW30L	3

↻ Applicable inserts B36~B42

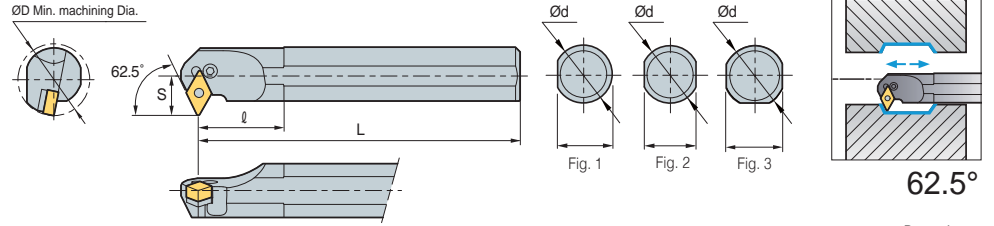


B Lever Lock System

PDSNR/L



DN□□



• R type insert (mm)

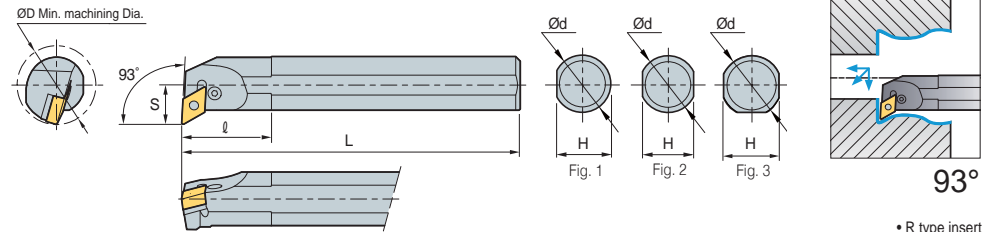
Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S32S-PDSNR/L-15N	40	32	30	250	22	50	DN□□1506□□	LV4BN	VHX0821	SD42N	SP4N	LSPS4	HW30L	3
S40T-PDSNR/L-15N	50	40	38	300	27	60								
S32S-PDSNR/L-15-3N	40	32	30	250	22	50	DN□□1504□□	LV4BN	VHX0821	SD42N	SP4N	LSPS4	HW30L	
S40T-PDSNR/L-15-3N	50	40	38	300	27	60								
A32S-PDSNR/L-15N	40	32	30	250	22	50	DN□□1506□□	LV4BN	VHX0821	SD42N	SP4N	LSPS4	HW30L	
A40T-PDSNR/L-15N	50	40	38	300	27	60								
A32S-PDSNR/L-15-3N	40	32	30	250	22	50	DN□□1504□□	LV4BN	VHX0821	SD42N	SP4N	LSPS4	HW30L	
A40T-PDSNR/L-15-3N	50	40	38	300	27	60								

↻ Applicable inserts B36-B42

PDUNR/L



DN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S32S-PDUNR/L-11	40	32	30	250	22	50	DN□□1104□□	LV3	VHX0617	SD317	SP3	LSPS3	HW25L	3
S32S-PDUNR/L-15	40	32	30	250	22	50								
S40T-PDUNR/L-15	50	40	38	300	27	60	DN□□1506□□	LV4B	VHX0821	SD42	SP4	LSPS4	HW30L	3
S50U-PDUNR/L-15	63	50	47	350	35	70								
S32S-PDUNR/L-15-3	40	32	30	250	22	50	DN□□1504□□	LV4	VHX0821	SD42	SP4	LSPS4	HW30L	3
S40T-PDUNR/L-15-3	50	40	38	300	27	60								
A32S-PDUNR/L-15	40	32	30	250	22	50	DN□□1506□□	LV4B	VHX0821	SD42	SP4	LSPS4	HW30L	3
A32S-PDUNR/L-15-3	40	32	30	250	22	50								
S20S-PDUNR/L-11N	25	20	18	250	13	32	DN□□1104□□	LV3DN	VHX0512BN	-	-	-	HW20L	2
S25R-PDUNR/L-11N	32	25	23	200	17	40								
S32S-PDUNR/L-11N	40	32	30	250	22	50	DN□□1506□□	LV3AN	VHX0617N	SD32N	SP3	LSPS3	HW30L	3
S32S-PDUNR/L-15N	40	32	30	250	22	50								
S32U-PDUNR/L-15N	40	32	30	350	22	50	DN□□1506□□	LV4BN	VHX0821N	SD42N	SP4N	LSPS4	HW30L	3
S40T-PDUNR/L-15N	50	40	38	300	27	60								
S50U-PDUNR/L-15N	63	50	47	350	35	70	DN□□1504□□	LV4BN	VHX0821N	SD43N	SP4N	LSPS4	HW30L	3
S32S-PDUNR/L-15-3N	40	32	30	250	22	50								
S40T-PDUNR/L-15-3N	50	40	38	300	27	60	DN□□1104□□	LV3DN	VHX0512BN	-	-	-	HW20L	1
A20S-PDUNR/L-11N	25	20	19	250	13	32								
A25R-PDUNR/L-11N	32	25	24	200	17	40	DN□□1104□□	LV3AN	VHX0617N	SD32N	SP3	LSPS3	HW30L	3
A32S-PDUNR/L-11N	40	32	30	250	22	50								
A32S-PDUNR/L-15N	40	32	30	250	22	50	DN□□1506□□	LV4BN	VHX0821N	SD42N	SP4N	LSPS4	HW30L	3
A40T-PDUNR/L-15N	50	40	38	300	27	60								
A50U-PDUNR/L-15N	63	50	47	350	35	70	DN□□1504□□	LV4BN	VHX0821N	SD43N	SP4N	LSPS4	HW30L	3
A32S-PDUNR/L-15-3N	40	32	30	250	22	50								
A40T-PDUNR/L-15-3N	50	40	38	300	27	60								

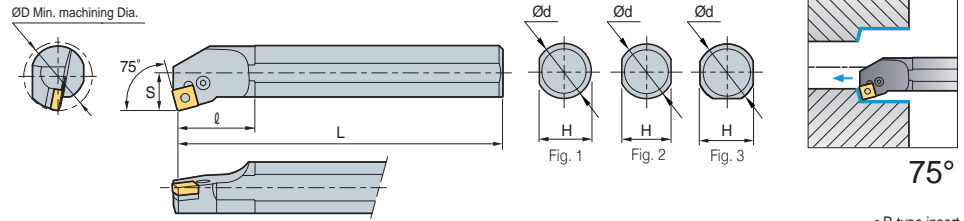
↻ Applicable inserts B36-B42



PSKNR/L



SN□□



• R type insert (mm)

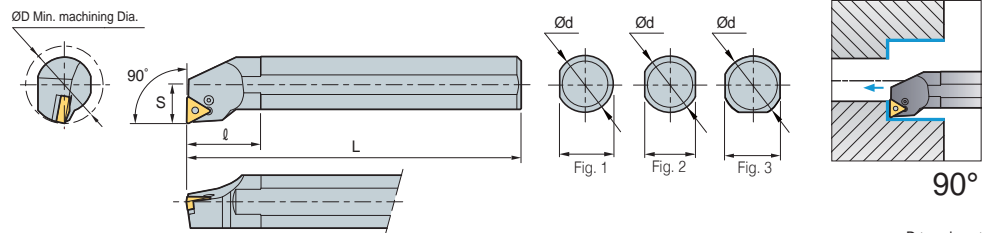
Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S25R-PSKNR/L-12	32	25	23	200	17	40	SN□□1204□□	LV4A	VHX0613A	-	-	-	HW30L	3
S32S-PSKNR/L-12	40	32	30	250	22	50		LV4	VHX0821	SS42B	SP4	LSPS4	HW30L	
S40T-PSKNR/L-12	50	40	38	300	27	60		LV4A	VHX0613A	-	SP4	-	HW25L	
A25R-PSKNR/L-12	32	25	24	200	17	40	SN□□1204□□	LV4A	VHX0613A	-	SP4	-	HW25L	1
A32S-PSKNR/L-12	40	32	30	250	22	50		LV4	VHX0821	SS42B	SP4	LSPS4	HW30L	3
S25R-PSKNR/L-12N	32	25	23	200	17	40		SN□□1204□□	LV4AN	VHX0613N	-	-	-	HW25L
S32S-PSKNR/L-12N	40	32	30	250	22	50	LV4N		VHX0821N	SS42N	SP4N	LSPS4	HW30L	
S40T-PSKNR/L-12N	50	40	38	300	27	60	LV4AN		VHX0613N	-	-	-	HW25L	
A25R-PSKNR/L-12N	32	25	24	200	17	40	SN□□1204□□	LV4AN	VHX0613N	-	-	-	HW25L	1
A32S-PSKNR/L-12N	40	32	30	250	22	50		LV4N	VHX0821N	SS42N	SP4N	LSPS4	HW30L	3
A40T-PSKNR/L-12N	50	40	38	300	27	60		LV4AN	VHX0613N	-	-	-	HW25L	

↻ Applicable inserts B44~B52

PTFNR/L



TN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S16R-PTFNR/L-11	20	16	23	200	11	25	TN□□1103□□	LV2	VHX0509B	-	-	-	HW25L	1
S20S-PTFNR/L-11	25	20	30	250	13	32		LV3B	VHX0512B	-	-	-	HW20L	3
S25R-PTFNR/L-11	32	25	38	200	17	40		TN□□1604□□	LV3	VHX0617	ST317B	SP3	LSPS3	HW25L
S25R-PTFNR/L-16	32	25	23	200	17	40	LV3		VHX0617	ST317B	SP3	LSPS3	HW25L	3
S32S-PTFNR/L-16	40	32	30	250	22	50	LV3		VHX0617	ST317B	SP3	LSPS3	HW25L	3
S40T-PTFNR/L-16	50	40	38	300	27	60	TN□□1604□□	LV3	VHX0617	ST317B	SP3	LSPS3	HW25L	1
A25R-PTFNR/L-16	32	25	24	200	17	40		LV3	VHX0617	ST317B	SP3	LSPS3	HW25L	3
A32S-PTFNR/L-16	40	32	30	250	22	50		LV3	VHX0617	ST317B	SP3	LSPS3	HW25L	3

↻ Applicable inserts B53~B59

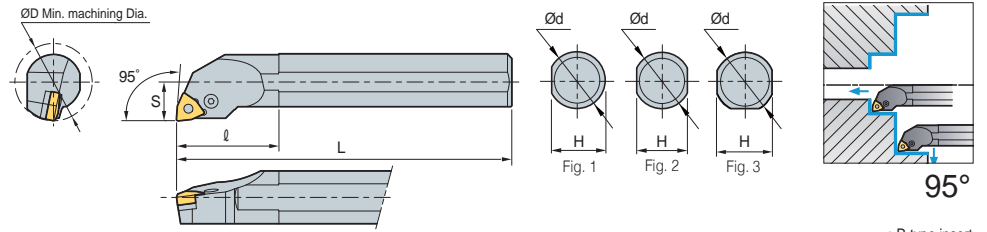


B Lever Lock System

PWLNR/L



WN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	l	Insert	Lever	Screw	Shim	Shim Pin	Shim Pin Punch	Wrench	Fig.
S16R-PWLNR/L-06	20	16	14	200	11	25	WNMG060408	LV3B	VHX0512B	-	-	-	HW20L	2
S20S-PWLNR/L-06	25	20	18	250	13	32	WN□□0604□□	LV3B	VHX0512B	-	-	-	HW20L	2
S25R-PWLNR/L-06	32	25	23	200	17	40		LV3	VHX0617	SW317	SP3	LSPS3	HW25L	3
S32S-PWLNR/L-06	40	32	30	250	22	50		LV4A	VHX0613A	-	-	-	HW25L	3
S25R-PWLNR/L-08	32	25	23	200	17	40	WN□□0804□□	LV4	VHX0821	SW42	SP4	LSPS3	HW30L	
S32S-PWLNR/L-08	40	32	30	250	22	50		WN□□0604□□	LV3N	VHX0617N	SW317N	SP3	LSPS3	HW25L
S25R-PWLNR/L-08N	32	25	23	200	17	40	WN□□0804□□	LV4AN	VHX0613N	-	-	-	HW25L	
S32S-PWLNR/L-08N	40	32	30	250	22	50		LV4N	VHX0820N	SW42N	SP4N	LSPS4	HW30L	

↻ Applicable inserts B62-B65



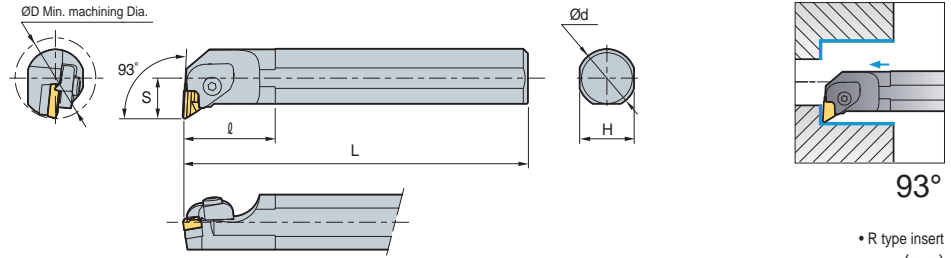
- Improved holders and parts ensure performance and durability
- “N” stand for New type (parts)



CKUNR/L



KN□□



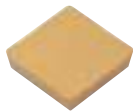
• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Spring	Shim	Pin+Spring	Shim Screw	Wrench							
S32S-CKUNR-16	40	32	30	250	22	70	KN□□1604□□L														
S40T-CKUNR-16	50	40	37	300	27	60									CTH6LI	CHX0625	SR3	SK33CL	PN0515 SR4	SHX0310	HW40L HW20L
S50U-CKUNR-16	63	50	43	350	35	55															
S32S-CKUNL-16	40	32	30	250	22	70	KN□□1604□□R														
S40T-CKUNL-16	50	40	37	300	27	60									CTH6RI	CHX0625	SR3	SK33C	PN0515 SR4	SHX0310	HW40L HW20L
S50U-CKUNL-16	63	50	43	350	35	55															

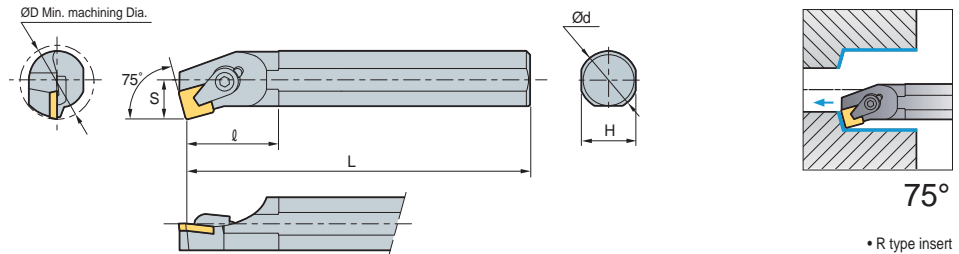
➔ Applicable inserts **B43**

• Use left handed insert for right handed holder

CSKPR/L



SP□□



• R type insert (mm)

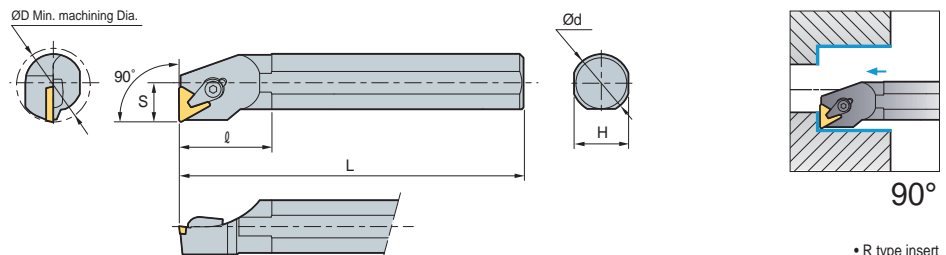
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	C-ring	Wrench
S16R-CSKPR/L-09	20	16	15	200	11	30	SP□□0903□□				
S20S-CSKPR/L-09	25	20	18	250	13	36					
S20S-CSKPR/L-12	25	20	18	250	13	28	SP□□1203□□				
S25R-CSKPR/L-12	32	25	23	300	17	40					
S25R-CSKPR/L-12	32	25	23	300	17	40					

➔ Applicable inserts **B76~B77**

CTFPR/L



TP□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	C-ring	Shim	Shim Pin	Wrench						
S12M-CTFPR/L-11	16	12	11	150	9	26	TP□□1103□□L												
S16R-CTFPR/L-11	20	16	15	200	11	40								CH4R1C	CHX0414C	CR02C	-	-	HW25L
S20S-CTFPR/L-11	25	20	18	250	13	40													
S16R-CTFPR/L-16	20	16	15	200	11	40	TP□□1603□□L												
S20S-CTFPR/L-16	25	20	18	250	13	40								CH5R5C	CHX0519C	CR03C	-	-	HW30L
S25R-CTFPR/L-16	32	25	23	200	17	40													
S32S-CTFPR/L-16	40	32	30	250	22	45	TP□□2204□□L												
S40T-CTFPR/L-16	50	40	37	300	27	60								CH6R5	CHX0622C	CR04C	ST32C	SP3C	
S40T-CTFPR/L-22	50	40	37	300	27	60													

➔ Applicable inserts **B81~B83**

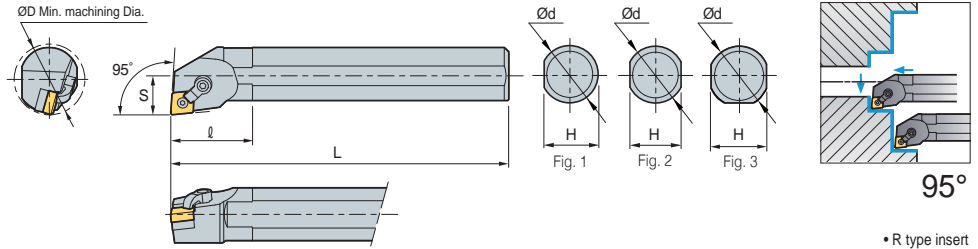


B Multi Lock System

MCLNR/L



CN□□



• R type insert (mm)

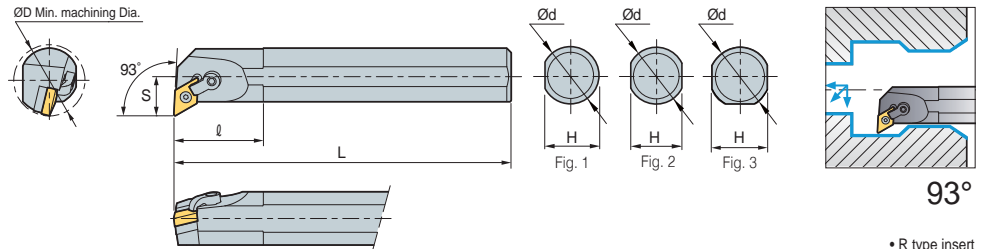
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S20S-MCLNR/L-09	25	20	18	200	13	32	CN□□0903□□	CDH7N	DHA10/32-19	-	SP3D3	HW19.8L	2
S25R-MCLNR/L-09	32	25	23	250	17	40						HW23.8L	3
S25R-MCLNR/L-12	32	25	23	200	17	40	CN□□1204□□	CDH6N	DHA1/4-21	SC43D	SP4DS	HW31.8L	3
S32S-MCLNR/L-12	40	32	30	250	22	50						HW23.8L	
S40T-MCLNR/L-12	50	40	38	300	27	60	CN□□1204□□	CDH6N	DHA1/4-21	SC43D	SP4DS	HW31.8L	1
A25R-MCLNR/L-12	32	25	24	200	17	40						HW23.8L	
A32S-MCLNR/L-12	40	32	31	250	22	50						HW23.8L	

➔ Applicable inserts B28-B35

MDUNR/L



DN□□



• R type insert (mm)

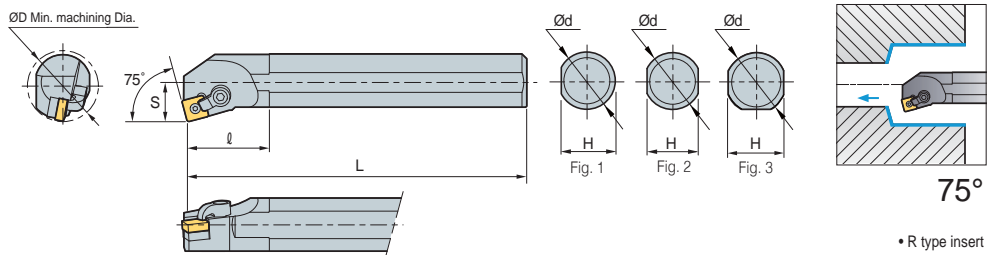
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S32S-MDUNR/L-15-3	40	32	30	250	22	50	DN□□1504□□	CDH6N	DHA1/4-21	SD43D	SP4D	HW31.8L	3
S40T-MDUNR/L-15-3	50	40	38	300	27	60						HW23.8L	
A32S-MDUNR/L-15-3	40	32	30	250	22	50							

➔ Applicable inserts B36-B42

MSKNR/L



SN□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S25R-MSKNR/L-12	32	25	23	200	17	40	SN□□1204□□	CDH8N1	DHA5/16-28	SS43D	SP4D	HW39.7L	3
S32S-MSKNR/L-12	40	32	30	250	22	50						HW23.8L	
S40T-MSKNR/L-12	50	40	38	300	27	60	SN□□1204□□	CDH8N1	DHA5/16-28	SS43D	SP4DS	HW39.7L	1
A25R-MSKNR/L-12	32	25	23	200	17	40						HW23.8L	
A32S-MSKNR/L-12	40	32	30	250	22	50							
A40T-MSKNR/L-12	50	40	38	300	27	60							

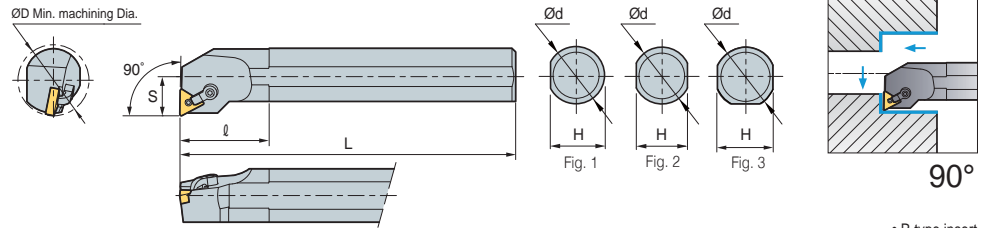
➔ Applicable inserts B44-B52



MTFNR/L



TN□□



• R type insert (mm)

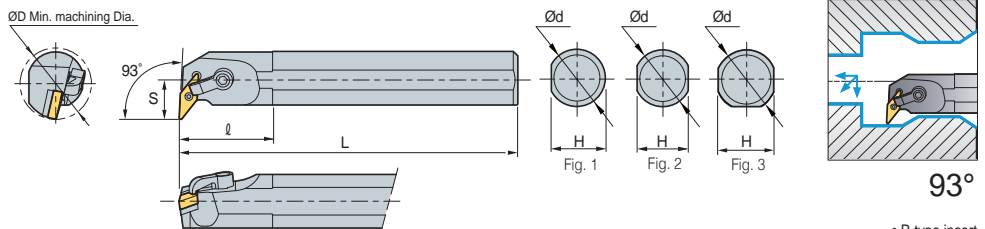
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S25R-MTFNR/L-16	32	25	23	200	17	40	TN□□1604□□	CDH7N1	DHA10-32-19	-	SP3D3	HW23.8L	3
S32S-MTFNR/L-16	40	32	30	250	22	50							
S40T-MTFNR/L-16	50	40	38	300	27	60	TN□□1604□□	CDH7N1	DHA10-32-19	-	SP3D3	HW23.8L	1
A25R-MTFNR/L-16	32	25	24	200	17	40							
A32S-MTFNR/L-16	40	32	30	250	22	50		CDH7N1	DHA10-32-19	ST32D	SP3D	HW19.8L	3

➔ Applicable inserts B53~B59

MVUNR/L



VN□□



• R type insert (mm)

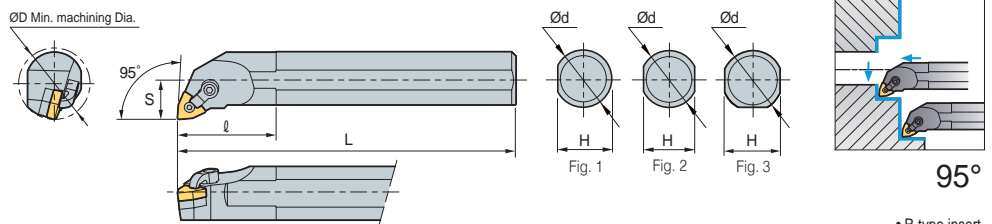
Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S32S-MVUNR/L-16	40	32	30	250	22	50	VN□□1604□□	CDH8N2	DHA5/16-28	SV32D	SP3D	HW39.7L	3
S40T-MVUNR/L-16	50	40	38	300	27	60							
A32S-MVUNR/L-16	40	32	30	250	22	50	VN□□1604□□	CDH8N2	DHA5/16-28	SV32D	SP3D	HW39.7L	3
A40T-MVUNR/L-16	50	40	38	300	27	60							

➔ Applicable inserts B60~B61

MWLNR/L



WN□□

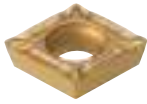


• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Clamp	Clamp Screw	Shim	Shim Pin	Wrench	Fig.
S25R-MWLNR/L-06	32	25	23	200	17	40	WN□□0604□□	CDH7N	DHA10/32-19	-	SP3D3	HW23.8L	3
S32S-MWLNR/L-06	40	32	30	250	22	50							
S40T-MWLNR/L-06	50	40	38	300	27	60	WN□□0804□□	CDH6N	DHA1/4-21	-	SP4DS	HW31.8L	3
S25R-MWLNR/L-08	32	25	23	200	17	40							
S32S-MWLNR/L-08	40	32	30	250	22	50	WN□□0604□□	CDH7N	DHA10/32-19	-	SP3D3	HW31.8L	1
S40T-MWLNR/L-08	50	40	38	300	27	60							
A25R-MWLNR/L-06	32	25	24	200	17	40	WN□□0804□□	CDH6N	DHA1/4-21	-	SP4DS	HW31.8L	1
A32S-MWLNR/L-06	40	32	31	250	22	50							
A25R-MWLNR/L-08	32	25	24	200	17	40		CDH6N	DHA1/4-21	SW43D	SP4D	HW23.8L	3
A32S-MWLNR/L-08	40	32	31	250	22	50		CDH6N	DHA1/4-21	SW43D	SP4D	HW23.8L	3

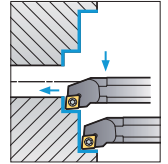
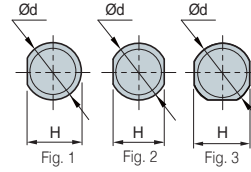
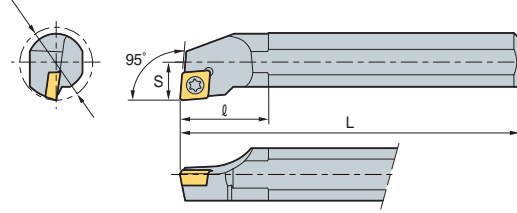
➔ Applicable inserts B62~B65

SCLCR/L



CC□□

ØD Min. machining Dia.



95°

• R type insert (mm)

Steel shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S08K-SCLCR/L-06	11	8	7.2	125	6	12	CC□□0602□□	FTKA02555			TW07	2
S10K-SCLCR/L-06	13	10	9	125	7	16		FTKA02565	-	-	TW07P	
S10M-SCLCR/L-06	13	10	9	150	7	16						
S12M-SCLCR/L-06	16	12	11	150	9	20						
S16R-SCLCR/L-06	20	16	14	200	11	25	CC□□09T3□□	FTGA03508	-	-	TW15P	2
S12M-SCLCR/L-09	16	12	11	150	9	20		FTGA03510			TW15P	
S16R-SCLCR/L-09	20	16	14	200	11	25						
S20S-SCLCR/L-09	25	20	18	250	13	32						
S25R-SCLCR/L-09	32	25	23	200	17	40	CC□□1204□□	FTGA0411F	-	-	TW15P	3
S25R-SCLCR/L-12	32	25	23	200	17	40		FTGA0411F	SC42S	SHXN0610F	HW40L TW15P	
S32S-SCLCR/L-12	40	32	30	250	22	50						
S40T-SCLCR/L-12	50	40	38	300	27	60						
A08F-SCLCR/L-06	11	8	7.6	80	6	12	CC□□0602□□	FTKA02555	-	-	TW07P	1
A10H-SCLCR/L-06	13	10	9.5	100	7	16		FTKA02565	-	-	TW07P	
A12K-SCLCR/L-06	16	12	11.5	125	9	20	CC□□09T3□□	FTGA03508	-	-	TW15P	1
A12K-SCLCR/L-09	16	12	11.5	125	9	20						
A16M-SCLCR/L-09	20	16	15	150	11	25						
A20Q-SCLCR/L-09	25	20	19	180	13	32						
A25R-SCLCR/L-09	32	25	24	200	17	40	CC□□1204□□	FTGA0411F	-	-	TW15P	1
A25R-SCLCR/L-12	32	25	24	200	17	40		FTGA0411F	SC42S	SHXN0610F	HW40L, TW15P	
A32S-SCLCR/L-12	40	32	31	250	22	50						

Carbide shank type

Designation	ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.
C04G-SCLCR/L-03	5	4	3.8	90	2.5	CC□T0301□□	FTNA01633	TW06P	1
C05H-SCLCR/L-03	6	5	4.4	100	3				
C06H-SCLCR/L-04	7	6	5.4	100	3.5	CC□T0401□□	FTNA0238	TW06P	1
C07K-SCLCR/L-04	8	7	6.4	125	4				
C08K-SCLCR/L-06	10	8	7	125	5	CC□T0602□□	FTKA02555	TW07P	2
C10K-SCLCR/L-06	12	10	9	125	6				
C10M-SCLCR/L-06	12	10	9	150	6				
C12M-SCLCR/L-06	14	12	11	150	7				
C12Q-SCLCR/L-06	14	12	11	180	7	CC□T09T3□□	FTGA03508	TW15P	2
C12M-SCLCR/L-09	15	12	11	150	8				
C12Q-SCLCR/L-09	15	12	11	180	8				
C16R-SCLCR/L-09	20	16	15	200	10				
C16S-SCLCR/L-09	20	16	15	250	10	CC□T0401□□	FTNA0238	TW06P	1
C20R-SCLCR/L-09	25	20	18	200	13				
C20S-SCLCR/L-09	25	20	18	250	13				
C25T-SCLCR/L-12	32	25	23	300	17				
E06H-SCLCR/L-04	7	6	5.4	100	3.5	CC□T0602□□	FTKA02555	TW07P	2
E07K-SCLCR/L-04	8	7	6.4	125	4				
E08K-SCLCR/L-06	10	8	7	125	5	CC□T0602□□	FTKA02565	TW07P	2
E10K-SCLCR/L-06	12	10	9	125	6				
E10M-SCLCR/L-06	12	10	9	150	6				
E12M-SCLCR/L-06	14	12	11	150	7				
E12Q-SCLCR/L-06	14	12	11	180	7	CC□T09T3□□	FTGA03508	TW15P	2
E12M-SCLCR/L-09	15	12	11	150	8				
E12Q-SCLCR/L-09	15	12	11	180	8				
E16R-SCLCR/L-09	20	16	15	200	11				
E16S-SCLCR/L-09	20	16	15	250	10	CC□T1204□□	FTGA0411F	TW15P	1
E20R-SCLCR/L-09	25	20	18	200	13				
E20S-SCLCR/L-09	25	20	19	250	13				
E25T-SCLCR/L-12	32	25	23	300	17				

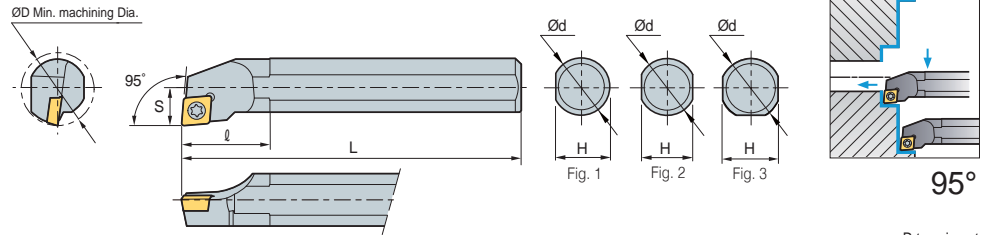
• Applicable inserts B66-B68



SCLPR/L



CP□□



Steel shank type

• R type insert (mm)

Designation	Stock		ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
	R	L										
S10M-SCLPR/L-08	●		13	10	9	150	7	16	CP□□0802□□	FTNA0305	TW09P	2
S12M-SCLPR/L-08	●		16	12	11	150	9	20		FTNA0307	TW09P	
S16N-SCLPR/L-09	●		20	16	14	160	11	25	CP□□0903□□	FTNA0408	TW15P	2
S16R-SCLPR/L-09	●		20	16	14	200	11	25				
S20N-SCLPR/L-09	●		25	20	18	160	13	32				
S20S-SCLPR/L-09	●		25	20	18	250	13	32				3
A10H-SCLPR/L-08			12	10	9.65	100	6	-	CP□□0802□□	FTNA0305	TW09P	1
A12K-SCLPR/L-08			16	12	11.5	125	9	20		FTNA0307	TW09P	
A16M-SCLPR/L-09			20	16	15.5	150	10	25	CP□□0903□□	FTNA0408	TW15P	1
A20Q-SCLPR/L-09			25	20	19	180	13	32				3

● : Stock item

Carbide shank type

(mm)

Designation	Stock		ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.
	R	L									
C10K-SCLPR/L-08	●		12	10	9	125	6	CP□T0802□□	FTNA0305	TW09P	2
C10M-SCLPR/L-08	●		12	10	9	150	6		FTNA0306	TW09P	
C12M-SCLPR/L-08	●		15	12	11	150	7.5	CP□T0903□□	FTNA0408	TW15P	2
C12Q-SCLPR/L-08	●		15	12	11	180	7.5				
C12M-SCLPR/L-09	●		15	12	11	150	8				
C12Q-SCLPR/L-09	●		15	12	11	180	8				
C16R-SCLPR/L-09	●		20	16	15	200	10	CP□T0802□□	FTNA0305	TW09P	2
C16S-SCLPR/L-09	●		20	16	15	250	10				
C20R-SCLPR/L-09	●		25	20	18	200	13				
C20S-SCLPR/L-09	●		25	20	18	250	13				
E10K-SCLPR/L-08			12	10	9	125	6	CP□T0802□□	FTNA0305	TW09P	2
E10M-SCLPR/L-08			12	10	9	150	6				
E12M-SCLPR/L-08			15	12	11	150	7.5	CP□T0903□□	FTNA0407	TW09P	2
E12Q-SCLPR/L-08			15	12	11	180	7.5				
E12M-SCLPR/L-09			15	12	11	150	8				
E12Q-SCLPR/L-09			15	12	11	180	8				
E16R-SCLPR/L-09			20	16	15	200	10	CP□T0802□□	FTNA0305	TW09P	2
E16S-SCLPR/L-09			20	16	15	250	10				
E20R-SCLPR/L-09			25	20	18	200	13	CP□T0903□□	FTNA0408	TW15P	2
E20S-SCLPR/L-09	●		25	20	18	250	13				

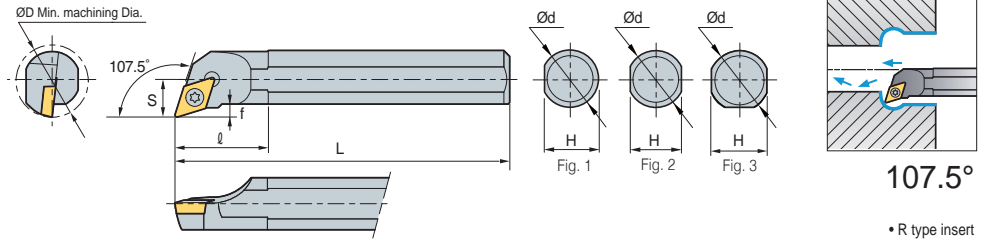
● : Stock item

➔ Applicable inserts B70

SDQCR/L



DC□□



Steel shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S10M-SDQCR/L-07	13	10	9	150	7	16	DC□□0702□□	FTKA02555	TW07P	2
S12M-SDQCR/L-07	16	12	11	150	9	20		FTKA02565	TW07P	
S16R-SDQCR/L-07	20	16	14	200	11	25		DC□□11T3□□	FTGA03508	TW15P
S16R-SDQCR/L-11	20	16	14	200	11	25	FTGA03510		TW15P	3
S20S-SDQCR/L-11	25	20	18	250	13	32	DC□□0702□□		FTKA02555	TW07P
S25R-SDQCR/L-11	32	25	23	200	17	40		FTKA02565	TW07P	1
A10H-SDQCR/L-07	13	10	9.5	100	7	16	DC□□11T3□□	FTGA03508	TW15P	1
A20Q-SDQCR/L-11	25	20	19	180	13	32		FTGA03510	TW15P	1
A16M-SDQCR/L-11	20	16	15	150	11	25	DC□□11T3□□	FTGA03508	TW15P	1
A25R-SDQCR/L-11	32	25	24	200	17	40		FTGA03510	TW15P	1

Carbide shank type

Designation	ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.
C08K-SDQCR/L-07	10	8	7	125	6	DC□T0702□□	FTKA02555	TW07P	2
C10K-SDQCR/L-07	13	10	9	125	7		FTKA02565	TW07P	
C12M-SDQCR/L-07	16	12	11	150	9		DC□T11T3□□	FTGA03508	TW15P
C16R-SDQCR/L-07	20	16	15	200	11	FTGA03510		TW15P	
C16R-SDQCR/L-11	20	16	15	200	11	DC□T0702□□		FTKA02555	TW07P
C20R-SDQCR/L-11	25	20	18	200	13		FTKA02565	TW07P	
C20S-SDQCR/L-11	25	20	18	250	13	DC□T11T3□□	FTGA03508	TW15P	2
E08K-SDQCR/L-07	10	8	7	125	6		FTGA03510	TW15P	
E10K-SDQCR/L-07	13	10	9	125	7	DC□T0702□□	FTKA02555	TW07P	2
E12M-SDQCR/L-07	16	12	11	150	9		FTKA02565	TW07P	
E16R-SDQCR/L-07	20	16	15	200	11	DC□T11T3□□	FTGA03508	TW15P	2
E16R-SDQCR/L-11	20	16	15	200	11		FTGA03510	TW15P	
E20R-SDQCR/L-11	25	20	18	200	13	DC□T11T3□□	FTGA03508	TW15P	2
E20S-SDQCR/L-11	25	20	19	250	13		FTGA03510	TW15P	

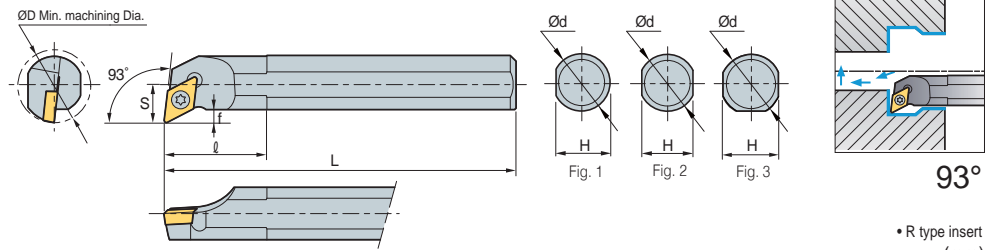
Applicable inserts B71-B73, B92



SDUCR/L



DC□□



Steel shank type

Designation	ØD	Ød	H	L	S	l	Insert	Screw	Wrench	Fig.
S10M-SDUCR/L-07	13	10	9	150	7	16	DC□□0702□□	FTKA02555	TW07P	2
S12M-SDUCR/L-07	16	12	11	150	9	20		FTKA02565	TW07P	2
S16R-SDUCR/L-07	20	16	14	200	11	25		DC□□11T3□□	FTGA03508	TW15P
S16R-SDUCR/L-11	20	16	14	200	11	25	FTGA03510		TW15P	3
S20S-SDUCR/L-11	25	20	18	250	13	32	DC□□0702□□		FTKA02555	TW07P
S25R-SDUCR/L-11	32	25	23	200	17	40		FTKA02565	TW07P	1
S32S-SDUCR/L-11	40	32	30	250	22	50		FTGA03508	TW15P	1
A25R-SDUCR/L-11	32	25	24	200	17	40	FTGA03510	TW15P	1	

Carbide shank type

Designation	ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.
C10K-SDUCR/L-07	13	10	9	125	7	DC□T0702□□	FTKA02555	TW07P	2
C10M-SDUCR/L-07	13	10	9	150	7		FTKA02565	TW07P	
C12M-SDUCR/L-07	16	12	11	150	9		DC□T11T3□□	FTGA03508	
C12Q-SDUCR/L-07	16	12	11	180	9	FTGA03510		TW15P	
C16R-SDUCR/L-07	20	16	15	200	11	DC□T0702□□		FTKA02555	TW07P
C16S-SDUCR/L-07	20	16	15	250	11		FTKA02565	TW07P	
C16R-SDUCR/L-11	20	16	15	200	11		DC□T11T3□□	FTGA03508	TW15P
C16S-SDUCR/L-11	20	16	15	250	11	FTGA03510		TW15P	
C20R-SDUCR/L-11	25	20	18	200	13	DC□T0702□□		FTKA02555	TW07P
C20S-SDUCR/L-11	25	20	18	250	13		FTKA02565	TW07P	
C25T-SDUCR/L-11	32	25	23	300	17		DC□T11T3□□	FTGA03508	TW15P
E10K-SDUCR/L-07	13	10	9	125	7	FTGA03510		TW15P	
E10M-SDUCR/L-07	13	10	9	150	7	DC□T0702□□		FTKA02555	TW07P
E12M-SDUCR/L-07	16	12	11	150	9		FTKA02565	TW07P	
E12Q-SDUCR/L-07	16	12	11	180	9		DC□T11T3□□	FTGA03508	TW15P
E16R-SDUCR/L-07	20	16	15	200	11	FTGA03510		TW15P	
E16S-SDUCR/L-07	20	16	15	250	11	DC□T0702□□		FTKA02555	TW07P
E16R-SDUCR/L-11	20	16	15	200	11		FTKA02565	TW07P	
E16S-SDUCR/L-11	20	16	15	250	11		DC□T11T3□□	FTGA03508	TW15P
E20R-SDUCR/L-11	25	20	18	200	13	FTGA03510		TW15P	
E20S-SDUCR/L-11	25	20	18	250	13	DC□T0702□□		FTKA02555	TW07P
E25T-SDUCR/L-11	32	25	23	300	17		FTKA02565	TW07P	

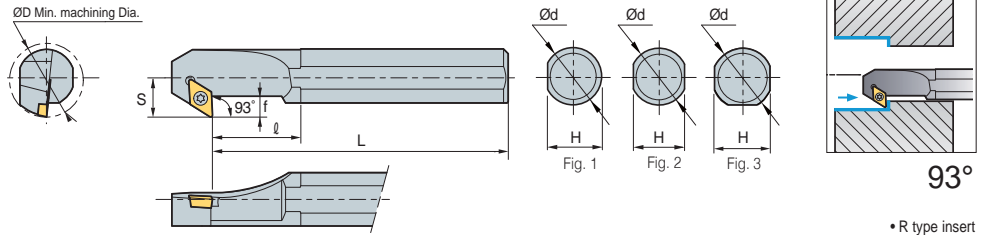
Applicable inserts B71-B73, B92



SDZCR/L



DC□□



93°

• R type insert (mm)

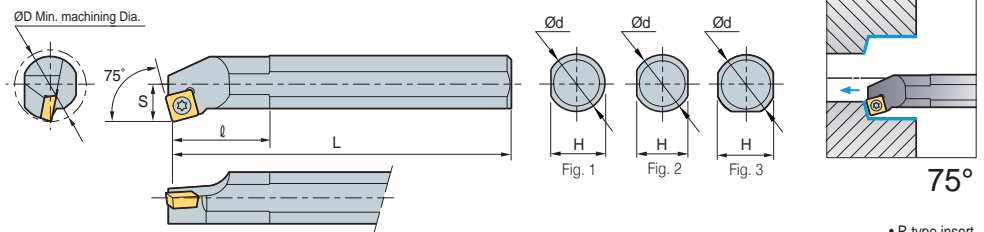
Designation	ØD	Ød	H	L	S	ℓ	f	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S16R-SDZCR/L-07	20	16	14	200	11	25	6.5	DC□□0702□□	FTKA02565	-	-	TW07P	2
S20S-SDZCR/L-07	25	20	18	250	13	32	7.5		-	-	-	-	-
S25R-SDZCR/L-11	32	25	23	200	17	40	9	DC□□11T3□□	FTGA03510	-	-	TW15P	3
S32S-SDZCR/L-11	40	32	30	250	22	50	11		FTGA03512	SD32S	SHXN0509F	TW15P, HW35L	
S40T-SDZCR/L-11	50	40	38	300	27	60	11		FTGA03510	-	-	TW15P	1
A25R-SDZCR/L-11	32	25	24	200	17	40	9		FTGA03512	SD32S	SHXN0509F	TW15P, HW35L	3
A32S-SDZCR/L-11	40	32	30	250	22	50	11						

➔ Applicable inserts B71-B73, B92

SSKCR/L



SC□□



75°

• R type insert (mm)

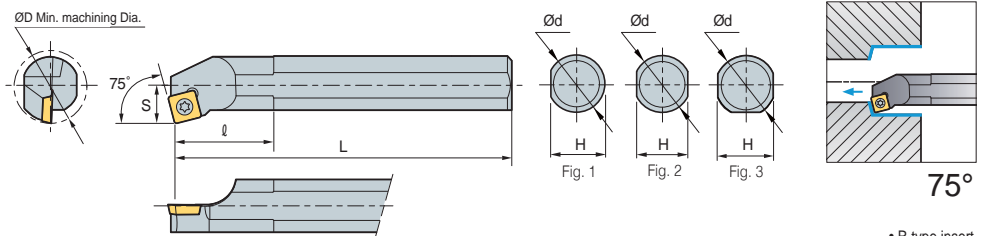
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S12M-SSKCR/L-09	16	12	11	150	9	20	SC□□09T3□□	FTGA03507	-	-	TW15P	2
S16R-SSKCR/L-09	20	16	14	200	11	25		FTGA03508	-	-	TW15P	
S20S-SSKCR/L-09	25	20	18	250	13	32	SC□□1204□□	FTGA0411F	-	-	TW15P	3
S25R-SSKCR/L-12	32	25	23	200	17	40		FTGA0411F	SS42S	SHXN0610F	TW15P, HW40L	
S32S-SSKCR/L-12	40	32	30	250	22	50						
A12K-SSKCR/L-09	16	12	11.5	125	9	20	SC□□09T3□□	FTGA03507	-	-	TW15P	1
A16M-SSKCR/L-09	20	16	15	150	11	25		FTGA03508	-	-	TW15P	
A20Q-SSKCR/L-09	25	20	19	180	13	32	SC□□1204□□	FTGA0411F	-	-	TW15P	3
A25R-SSKCR/L-12	32	25	24	200	17	40		FTGA0411F	SS42S	SFXN0610F	TW15P, HW40L	
A32S-SSKCR/L-12	40	32	30	250	22	50						

➔ Applicable inserts B74-B75, B94

SSKPR/L



SP□□



75°

• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S12M-SSKPR/L-09	16	12	11	150	9	20	SP□□09T3□□	FTNA0307	TW09P	2
S16N-SSKPR/L-09	20	16	14	160	11	25				
S16R-SSKPR/L-09	20	16	14	200	11	25				
S20N-SSKPR/L-09	25	20	18	160	13	32				
S20S-SSKPR/L-09	25	20	18	250	13	32				
A12K-SSKPR/L-09	16	12	11.5	125	9	20	SP□□09T3□□	FTNA0307	TW09P	1
A16M-SSKPR/L-09	20	16	15	150	11	25				
A20Q-SSKPR/L-09	25	20	19	180	13	32				

➔ Applicable inserts B76-B77

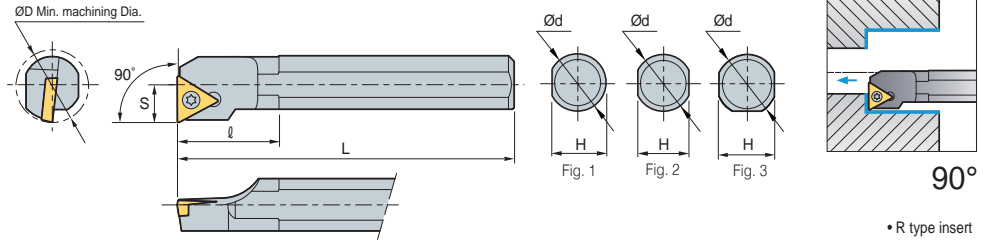
• Use left handed insert for right handed holder



STFCR/L



TC□□



Steel shank type

• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S10M-STFCR/L-09	13	10	9	150	7	16	TC□□0902□□	FTKA02206	-	-	TW06P	2
S12M-STFCR/L-09	16	12	11	150	9	20						
S12M-STFCR/L-11	16	12	11	150	9	20	TC□□1102□□	FTKA02565	-	-	TW07P	2
S16R-STFCR/L-11	20	16	14	200	11	25						
S20S-STFCR/L-11	25	20	18	250	13	32	TC□□16T3□□	FTGA03510	-	-	TW15P	2
S20S-STFCR/L-16	25	20	18	250	13	32						3
S25R-STFCR/L-16	32	25	23	200	17	40	TC□□16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L	3
S32S-STFCR/L-16	40	32	30	250	22	50						
S40T-STFCR/L-16	50	40	38	300	27	60	TC□□0902□□	FTKA02206	-	-	TW06P	1
A10H-STFCR/L-09	13	10	9.5	100	7	16						
A12K-STFCR/L-09	16	12	11.5	125	9	20	TC□□1102□□	FTKA02565	-	-	TW07P	1
A12K-STFCR/L-11	16	12	11.5	125	9	20						
A16M-STFCR/L-11	20	16	15	150	11	25	TC□□16T3□□	FTKA03510	-	-	TW15P	1
A20Q-STFCR/L-11	25	20	19	180	13	32						
A25R-STFCR/L-16	32	25	24	200	17	40	TC□□16T3□□	FTGA03512	ST32S	SHXN0509F	TW15P, HW35L	3
A32S-STFCR/L-16	40	32	30	250	22	50						

Carbide shank type

(mm)

Designation	ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.
C08K-STFCR/L-09	10	8	7	125	5	TC□T0902□□	FTKA02206	TW06P	2
C10K-STFCR/L-09	12	10	9	125	6				
C10K-STFCR/L-11	12	10	9	125	6	TC□T1102□□	FTKA02565	TW07P	
C12M-STFCR/L-11	15	12	11	150	8				
C16R-STFCR/L-11	20	16	15	200	10				
C20R-STFCR/L-11	25	20	18	200	13				
C20S-STFCR/L-11	25	20	18	250	13	TC□T16T3□□	FTGA03510	TW15P	
C20R-STFCR/L-16	25	20	18	200	13				
C20S-STFCR/L-16	25	20	18	250	13	TC□T0902□□	FTKA02206	TW06P	
E08K-STFCR/L-09	10	8	7	125	5				
E10K-STFCR/L-09	12	10	9	125	6	TC□T1102□□	FTKA02565	TW07P	
E10K-STFCR/L-11	12	10	9	125	6				
E12M-STFCR/L-11	15	12	11	150	8				
E16R-STFCR/L-11	20	16	15	200	11				
E20R-STFCR/L-11	25	20	18	200	13	TC□T16T3□□	FTGA03510	TW15P	
E20S-STFCR/L-11	25	20	18	250	13				
E20R-STFCR/L-16	25	20	18	200	13				
E20S-STFCR/L-16	25	20	19	250	13				

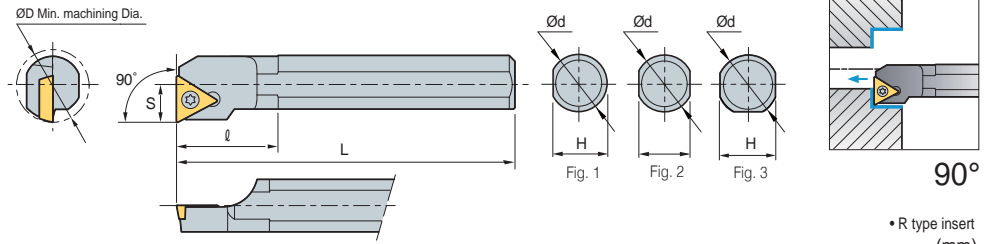
Applicable inserts B79-B80, B95



STFPR/L



TP□□



• R type insert (mm)

Steel shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S10M-STFPR/L-11	13	10	9	150	7	16	TP□□1103□□	FTGA03507	TW15P	2
S12M-STFPR/L-11	16	12	11	150	9	20		FTGA03508	TW15P	2
S16N-STFPR/L-11	20	16	14	160	11	25				
S16R-STFPR/L-11	20	16	14	200	11	25	TP□□1604□□	FTGA0411F	TW15P	2
S20N-STFPR/L-16	25	20	18	160	13	32				
S20S-STFPR/L-16	25	20	18	250	13	32				
A10H-STFPR/L-11	13	10	9.5	100	7	16	TP□□1103□□	FTGA03507	TW15P	1
A12K-STFPR/L-11	16	12	11	125	9	20		FTGA03508	TW15P	1
A16M-STFPR/L-11	20	16	15	150	11	25				
A20Q-STFPR/L-16	25	20	19	180	13	32	TP□□1604□□	FTGA0411F	TW15P	1

Carbide shank type

Designation	ØD	Ød	H	L	S	Insert	Screw	Wrench	Fig.	
C08K-STFPR/L-08	10	8	7	125	5	TP□T1103□□	FTNA02205	TW06P	2	
C10K-STFPR/L-11	12	10	9	125	6		FTNA0305	TW09P		
C10M-STFPR/L-11	12	10	9	150	6					
C12M-STFPR/L-11	15	12	11	150	8		FTNA0307	TW09P		
C12Q-STFPR/L-11	15	12	11	180	8					
C16R-STFPR/L-11	20	16	15	200	10					
C16S-STFPR/L-11	20	16	15	250	10		TP□T1604□□	FTNA0408		TW15P
C20R-STFPR/L-11	25	20	18	200	13					
C20S-STFPR/L-11	25	20	18	250	13					
C20R-STFPR/L-16	25	20	18	200	13	TP□T0802□□	FTNA02205	TW06P	2	
C20S-STFPR/L-16	25	20	18	250	13					
C25T-STFPR/L-16	32	25	23	300	17					
E08K-STFPR/L-08	10	8	7	125	5	TP□T1103□□	FTNA02205	TW06P	2	
E10K-STFPR/L-11	12	10	9	125	6		FTNA0305	TW09P		
E10M-STFPR/L-11	12	10	9	150	6					
E12M-STFPR/L-11	15	12	11	150	8		FTNA0307	TW09P		
E12Q-STFPR/L-11	15	12	11	180	8					
E16R-STFPR/L-11	20	16	15	200	10					
E16S-STFPR/L-11	20	16	15	250	10		TP□T1604□□	FTNA0408		TW15P
E20R-STFPR/L-11	25	20	18	200	13					
E20S-STFPR/L-11	25	20	18	250	13					
E20R-STFPR/L-16	25	20	18	200	13	TP□T1604□□	FTNA0408	TW15P		
E20S-STFPR/L-16	25	20	18	250	13					
E25T-STFPR/L-16	32	25	23	300	17					

• Applicable inserts B81~B83

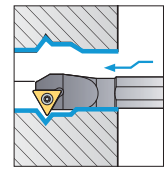
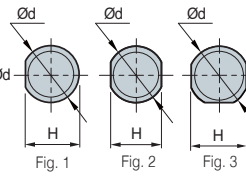
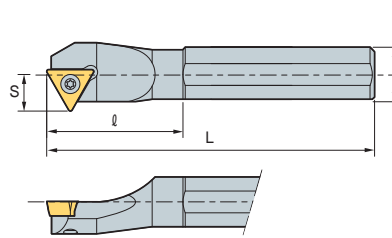
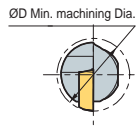
• Use left handed insert for right handed holder



STWPR/L



TP□□



60°

* R type insert (mm)

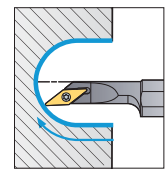
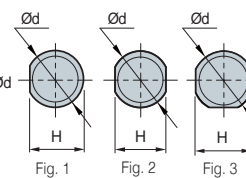
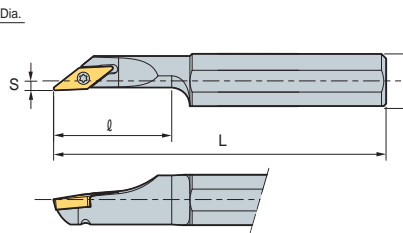
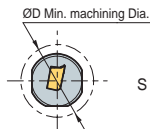
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S10M-STWPR/L-11	13	10	7	150	7	16	TPGH1102□□	FTNA0305	TW09P	2
S12M-STWPR/L-11	16	12	9	150	9	20	TPGH1103□□	FTNA0306	TW09P	
S16Q-STWPR/L-11	20	16	14	180	11	25	TPMT1103□□			
S20R-STWPR/L-11	25	20	18	200	13	32				

➔ Applicable inserts B81~B83

SVJCR/L



VC□□



142°

* R type insert (mm)

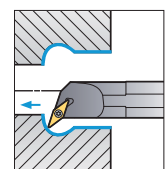
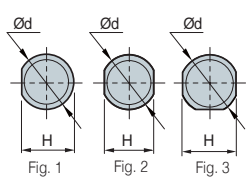
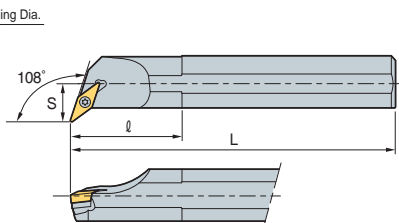
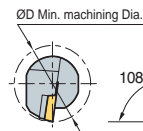
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S12M-SVJCR/L-08	16	12	11	150	9	20	VCMT0802□□	FTNA0204	TW06P	2
S16Q-SVJCR/L-08	20	16	14	180	11	25				

➔ Applicable inserts B86~B87, B97

SVQBR/L



VB□□



108°

* R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S32S-SVQBR/L-16	40	32	30	250	22	50	VB□□1604□□	FTGA03512	SV32S	SHXN0509F	TW15P HW35L	3
S40T-SVQBR/L-16	50	40	38	300	27	60						
A32S-SVQBR/L-16	40	32	30	250	22	50						

➔ Applicable inserts B84~B85, B96

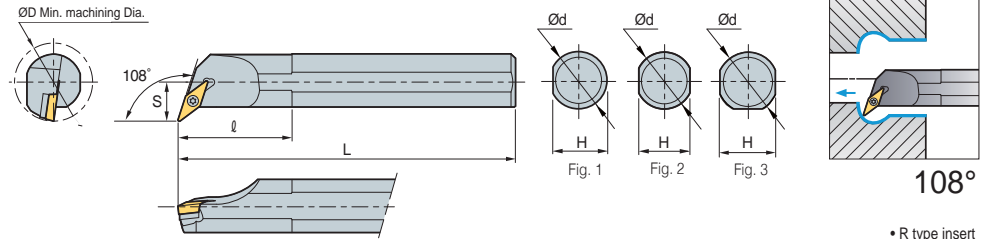


B Screw on System

SVQCR/L



VC□□



• R type insert (mm)

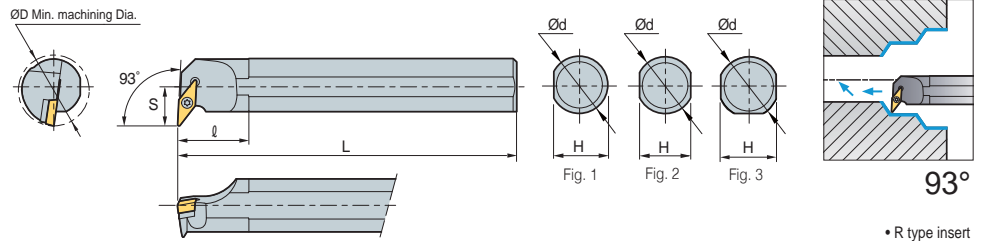
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S16R-SVQCR/L-11	20	16	14	200	11	25	VC□□1103□□	FTKA02565	-	-	TW07P	2
S20S-SVQCR/L-11	25	20	18	250	13	32						3
S25R-SVQCR/L-11	32	25	23	200	17	40						3
S20S-SVQCR/L-13	25	20	18	250	13	32	VC□□1303□□	FTKA0307	-	-	TW07P	2
S25R-SVQCR/L-13	32	25	23	200	17	40						3
S25R-SVQCR/L-16	32	25	23	200	17	40	VC□□1604□□	FTGA03510	-	-	TW15P	3
S32S-SVQCR/L-16	40	32	30	250	22	50						
S40T-SVQCR/L-16	50	40	38	300	27	60						FTGA03512

➔ Applicable inserts B86-B87, B97

SVUBR/L



VB□□



• R type insert (mm)

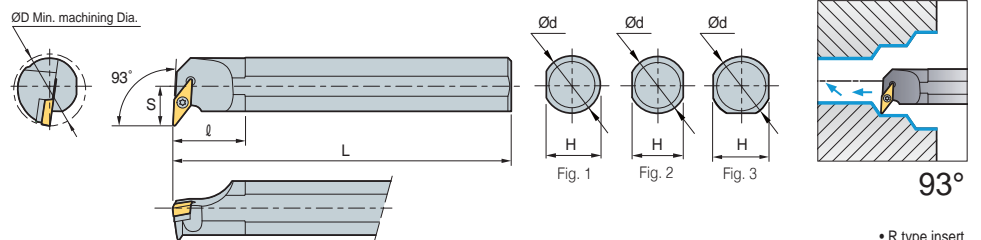
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S32S-SVUBR/L-16	40	32	30	250	22	50	VB□□1604□□	FTGA03512	SV32S	SHXN0509F	TW15P HW35L	3
S40T-SVUBR/L-16	50	40	38	300	27	60						
A32S-SVUBR/L-16	40	32	30	250	22	50						

➔ Applicable inserts B84-B85, B96

SVUCR/L



VC□□



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Shim	Shim Screw	Wrench	Fig.
S16R-SVUCR/L-11	20	16	14	200	11	25	VC□□1103□□	FTKA02565	-	-	TW07P	2
S20S-SVUCR/L-11	25	20	18	250	13	32						3
S25T-SVUCR/L-11	32	25	23	300	17	40						3
S20S-SVUCR/L-13	25	20	18	250	13	32	VC□□1303□□	FTKA0307	-	-	TW09P	2
S25R-SVUCR/L-13	32	25	23	200	17	40						3
S25R-SVUCR/L-16	32	25	23	200	17	40	VC□□1604□□	FTGA03510	-	-	TW15P	3
S32S-SVUCR/L-16	40	32	30	250	22	50						
S40T-SVUCR/L-16	50	40	38	300	27	60						FTGA03512

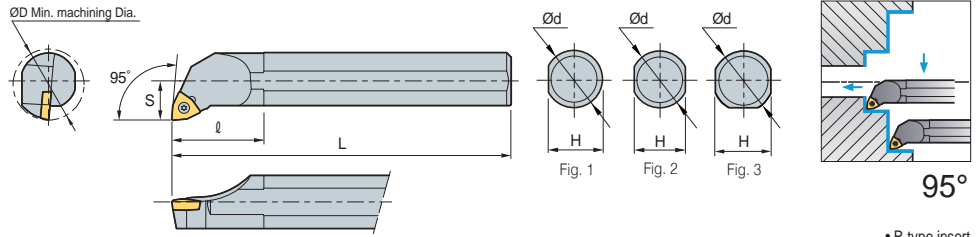
➔ Applicable inserts B86-B87, B97



SWLCR/L



WC□□



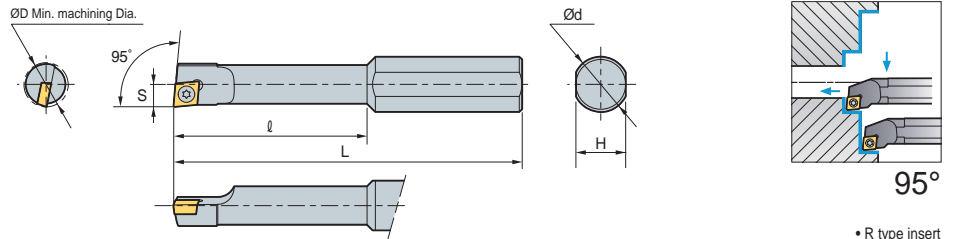
• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S25R-SWLCR/L-08	32	25	23	200	17	40	WC□□0804□□	FTGA0411F	TW15P	3
S32S-SWLCR/L-08	40	32	30	250	22	50				1
A25R-SWLCR/L-08	32	25	24	200	17	40	WC□□0804□□	FTGA0411F	TW15P	3
A32S-SWLCR/L-08	40	32	30	250	22	50				3

SCLCR/L



CCET



• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench
S10H-SCLCR/L-0305	5	10	9	100	2.5	25	CCET 0301□□	FTNA01633	TW06P
S10H-SCLCR/L-0306	6	10	9	100	3.0	25			
S10J-SCLCR/L-0407	7	10	9	110	3.5	30	CCET 0401□□	FTNA0238	TW06P
S10J-SCLCR/L-0408	8	10	9	110	4.0	30			

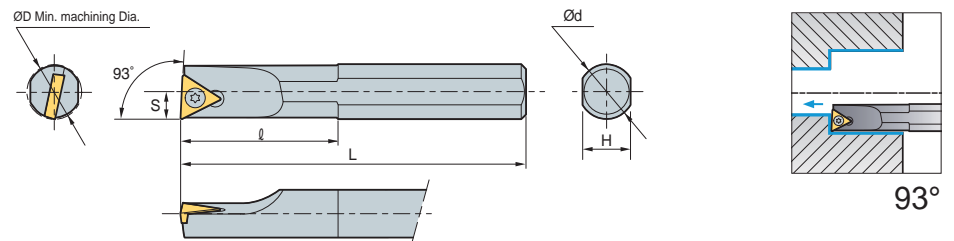
➔ Applicable inserts B66

• Use left handed insert for right handed holder

STUBR/L



TB□□



• R type insert (mm)

➔ Steel shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench
S08K-STUBR/L-06	8	8	7	125	4	30	TB□□0601□□R/L	FTNA0204	TW06P
A08F-STUBR/L-06	8	8	7.5	80	4	30			

➔ Carbide shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench
C08K-STUBR/L-06	10	8	7	125	5	TB□□T0601□□	FTNA0204	TW06P	
C10K-STUBR/L-06	12	10	9	125	6				
E08K-STUBR/L-06	10	8	7	125	5	TB□□T0601□□	FTNA0204	TW06P	
E10K-STUBR/L-06	12	10	9	125	6				

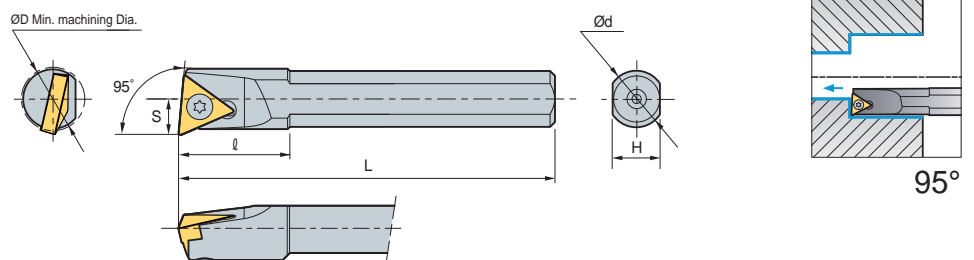
➔ Applicable inserts B78

• Use left handed insert for right handed holder

STLBR/L



TB□□



• R type insert (mm)

➔ Steel shank type

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench
S06H-STLBR/L-06-SP	8	6	5	100	3.8	12	TB□□0601□□R/L	FTNA0204	TW06P

➔ Applicable inserts B78

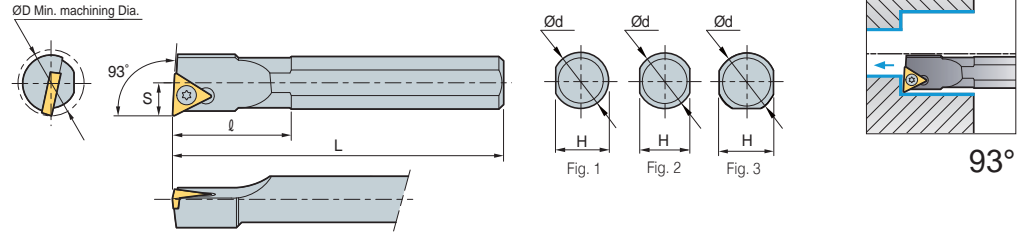
• Use left handed insert for right handed holder



STUPR/L



TP□□



Steel shank type

• R type insert (mm)

Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
S08K-STUPR/L-08	10	8	7	125	4	18	TP□□0802□□R/L	FTNA02205	TW06P	2
A08F-STUPR/L-08	10	8	7.5	80	4	18				

Carbide shank type

(mm)

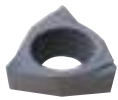
Designation	ØD	Ød	H	L	S	ℓ	Insert	Screw	Wrench	Fig.
C08K-STUPR/L-08	10	8	7	125	5		TP□□T0802□□	FTNA02205	TW06P	2
C10K-STUPR/L-11	12	10	9	125	6			FTNA0305	TW09P	
C10M-STUPR/L-11	12	10	9	150	6		TP□□T1103□□	FTNA0307	TW09P	
C12M-STUPR/L-11	15	12	11	150	8					
C12Q-STUPR/L-11	15	12	11	180	8					
C16R-STUPR/L-11	20	16	15	200	10					
C16S-STUPR/L-11	20	16	15	250	10					
C20R-STUPR/L-11	25	20	18	200	13					
C20S-STUPR/L-11	25	20	18	250	13		TP□□T1604□□	FTNA0408	TW15P	
C20R-STUPR/L-16	25	20	18	200	13					
C20S-STUPR/L-16	25	20	18	250	13					
C25T-STUPR/L-16	32	25	23	300	17					
E08K-STUPR/L-08	10	8	7	125	5		TP□□T0802□□	FTNA02205	TW06P	2
E10K-STUPR/L-11	12	10	9	125	6		TP□□T1103□□	FTNA0307	TW09P	
E10M-STUPR/L-11	12	10	9	150	6					
E12M-STUPR/L-11	15	12	11	150	8					
E12Q-STUPR/L-11	15	12	11	180	8					
E16R-STUPR/L-11	20	16	15	200	10					
E16S-STUPR/L-11	20	16	15	250	10					
E20R-STUPR/L-11	25	20	18	200	13		TP□□T1604□□	FTNA0408	TW15P	
E20S-STUPR/L-11	25	20	18	250	13					
E20R-STUPR/L-16	25	20	18	200	13					
E20S-STUPR/L-16	25	20	18	250	13					
E25T-STUPR/L-16	32	25	23	300	17					

Applicable inserts **B81~B83**

• Use left handed insert for right handed holder

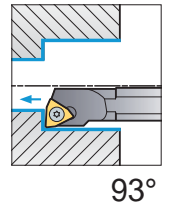
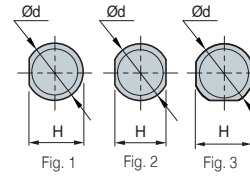
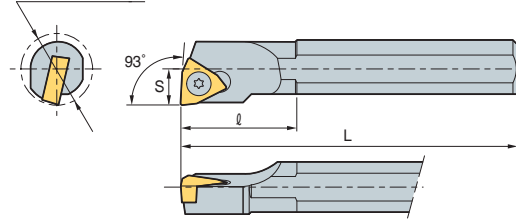


SWUBR/L



WB□T

∅D Min. machining Dia.



93°

• R type insert (mm)

Steel shank type

Designation	∅D	∅d	H	L	S	ℓ	Insert	Screw	Wrench	Fig
S05H-SWUBR/L-02	5.5	5	4.5	100	2.75	-	WBGT 0201□□R/L	FTNA0203	TW06P	2
S08K-SWUBR/L-02	8	8	7	125	4	30		FTNA02033		
S08K-SWUBR/L-S3	10	8	7	125	5	18	WBGT S302□□R/L	FTNA02205		
A08F-SWUBR/L-02	8	8	7.5	80	4	30	WBGT 0201□□R/L	FTNA0203		
A08F-SWUBR/L-S3	10	8	7.5	80	5	16	WBGT S302□□R/L	FTNA02205		

Carbide shank type

Designation	∅D	∅d	H	L	S	ℓ	Insert	Screw	Wrench	Fig
C05H-SWUBR/L-02	6	5	4.4	100	3	WB□T0201□□	FTNA0203	TW06P	1	
C06H-SWUBR/L-02	7	6	5.4	100	3.5					
C08K-SWUBR/L-02	9	8	7	125	4.5		FTNA02033	TW06P		
C08K-SWUBR/L-S3	10	8	7	125	4.5	WB□TS301□□	FTNA02205	TW06P	2	
E06H-SWUBR/L-02	7	6	5.4	100	3.5	WB□T0201□□	FTNA0203	TW06P	1	
E08K-SWUBR/L-02	9	8	7	125	4.5		FTNA02033	TW06P		
E08K-SWUBR/L-S3	10	8	7	125	5	WB□TS301□□	FTNA02205	TW06P	2	

Applicable inserts B89

• Use left handed insert for right handed holder



※ See page B136 for applicable sleeves